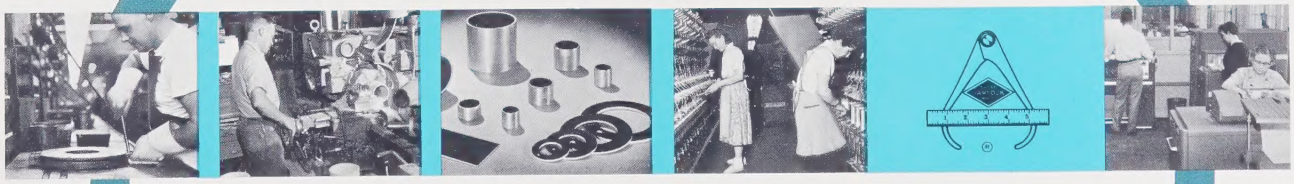
ALL THIS IS GARLOCK



GARLOCK INC.

PALMYRA, NEW YORK

ALL THIS

Printed in U.S.A.

IS GARLOCK

From Steam to Space, from Railroads to Rockets, from Motors to Missiles—such, with only slight exaggeration, might be said to be the progress of GARLOCK over the past three quarters of a Century.

For, in its own quiet way, GARLOCK through Research, through Engineering, through Diversification and through a continuing flow of new and improved products has kept pace with the onward march of Science.

Sometimes ordinary in their use but never ordinary in their design, quality and performance, Garlock packings, electronic components and military "hardware" have played an essential part in many of the technological improvements and engineering advances on land, sea and air.

Indeed, Garlock products can be said to dramatize the extreme importance of the seemingly insignificant. Every engineer appreciates this fact, for he knows how frequently the success or failure of a costly, complicated project rests on the performance of its most minute part.

Garlock's complete lines range from the everyday to the extraordinary. They include packing and non-packing products for practically everything that moves – in the Home, on the Farm, for Construction, Industry and Defense.

This booklet describes many of these products – of what they are made – what they do – and how, over the years their quality and dependability have made Garlock one of the largest of its kind in the world.

GARLOCK HAS . . . THE PLANTS TO PRODUCE

In this highly competitive industrial era, Time is vital. It is most essential therefore, that a company serving Industry have the capacity to produce quickly, efficiently and in volume.

Garlock is fortunate in this respect. Over the years a well-planned, continuing program of expansion and diversification has matched the ever-growing demand and use of its products.

Today with nearly a million square feet of active floor space, with 11 different plants in six diversified subsidiaries plus foreign affiliates, the Company is in excellent physical shape.

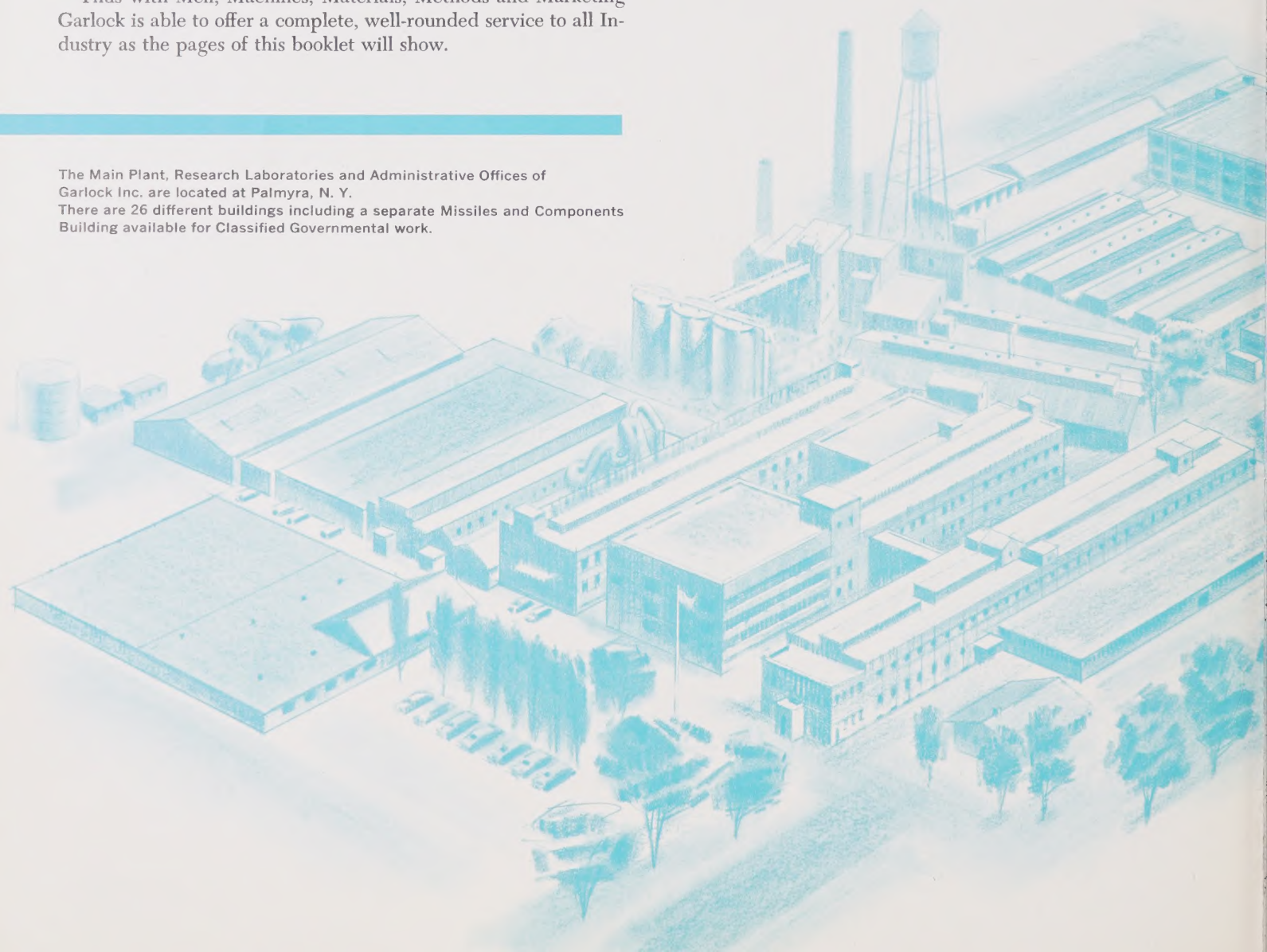
Its modern machines and equipment, its smooth running automated production lines, its ample testing facilities and its physical, chemical and electrical laboratories all combine to speed production, lower costs and maintain quality.

Garlock has maintained good labor relations in all of its plants for many years with a clean record of no strikes or walkouts.

An unusually large percentage of Garlock's 3,000 employees can be classed as "highly skilled," supervised by an engineering staff of the greatest technical competence.

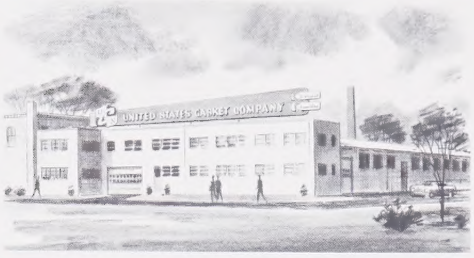
Thus with Men, Machines, Materials, Methods and Marketing Garlock is able to offer a complete, well-rounded service to all Industry as the pages of this booklet will show.

The Main Plant, Research Laboratories and Administrative Offices of Garlock Inc. are located at Palmyra, N. Y.
There are 26 different buildings including a separate Missiles and Components Building available for Classified Governmental work.



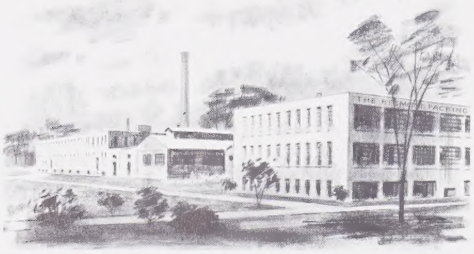
MANUFACTURING PLANTS

Garlock of Canada Ltd.
This manufacturing plant in Hamilton, Ontario produces for Canadian Sales with over 27,000 square feet of space.



WHOLLY-OWNED SUBSIDIARIES

United States Gasket Company,
Plastics Division of Garlock Inc., is located in Camden, New Jersey with over 82,000 square feet of manufacturing space.



The Belmont Packing & Rubber Company
This wholly-owned subsidiary manufactures a complete line of packings with over 61,000 square feet of manufacturing space in Philadelphia, Pa.

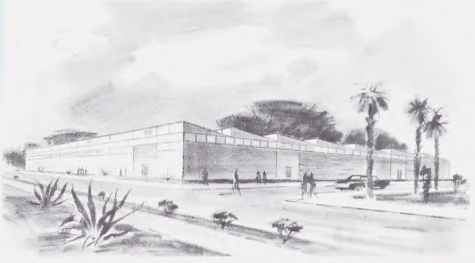
Mechanical Leathers, Inc.
Leather Packings Division of Garlock Inc. is located in Philadelphia, Pa. with over 37,000 square feet of manufacturing space.

Chetron Corporation
Aircraft and Missiles Division of Garlock Inc. is located in Los Angeles, California with over 30,000 square feet of manufacturing space.

OTHER GARLOCK SUBSIDIARIES

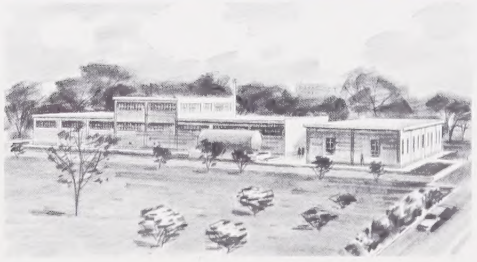
Yale Rubber Co. of Canada Ltd.
Kincardine, Ontario

Rochester Wire Spring Co. Inc.
Rochester, New York



AFFILIATED COMPANIES

Garlock de Mexico, S.A.
In 1959 Garlock purchased a substantial interest in this Mexican operation in Mexico City primarily as a production facility for sales in Mexico with 36,000 square feet of manufacturing space.



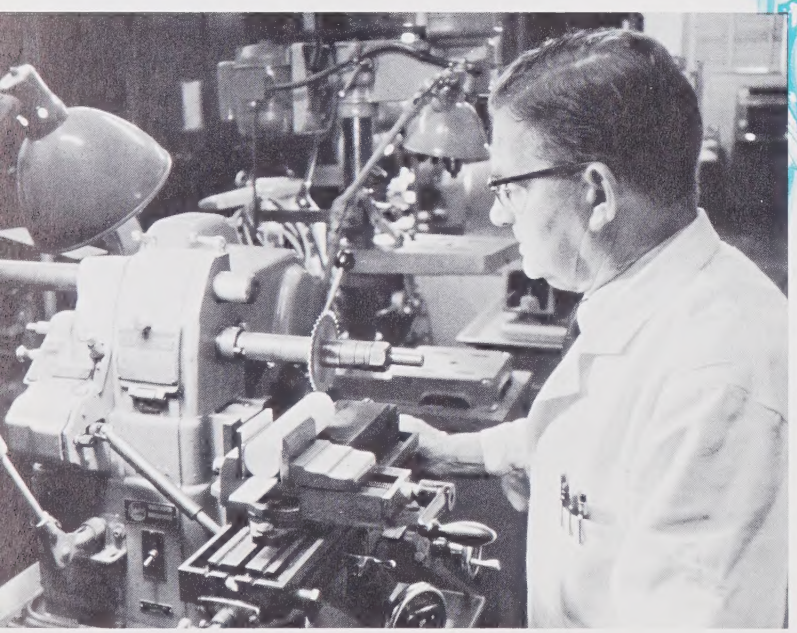
Marengo S.p.A.
Garlock has 50% ownership in Marengo in Milan, Italy for plastics manufacturing with 9,000 square feet of manufacturing space.

. . . THE MEN TO CREATE

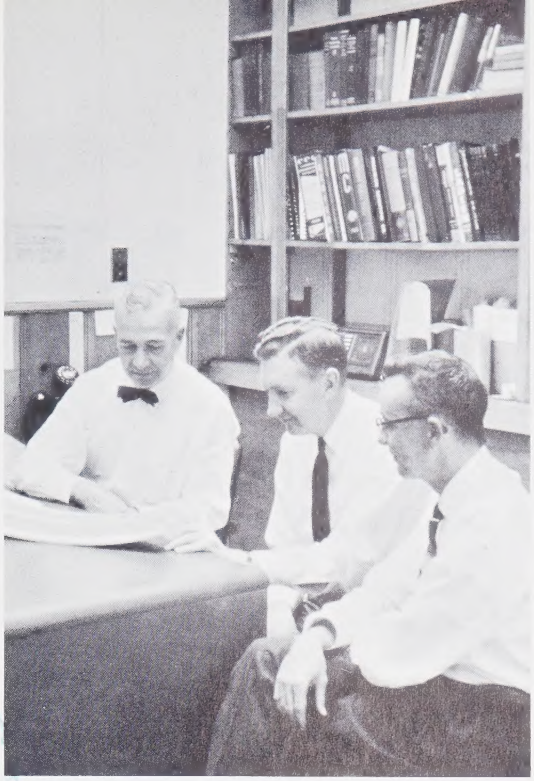
Making and marketing technical products for Industry and Defense requires a high degree of engineering competence. It demands the ability always to keep abreast of change, to match and, if possible, anticipate technical advancement by Industry in general and Garlock customers in particular.

All this accounts for the emphasis Garlock places on Engineering, Research and Development. It explains Garlock's need for the most modern and complete physical, chemical and electrical laboratories. And, most of all, it underscores Garlock's investment in Men – the scientists and engineers to study, design, develop, test and create.

All this research, all these studies, tests and development work have resulted in the great diversification of Garlock activities. And this is daily reflected not only in new products but in improved Garlock service and its value to every Garlock customer large or small.

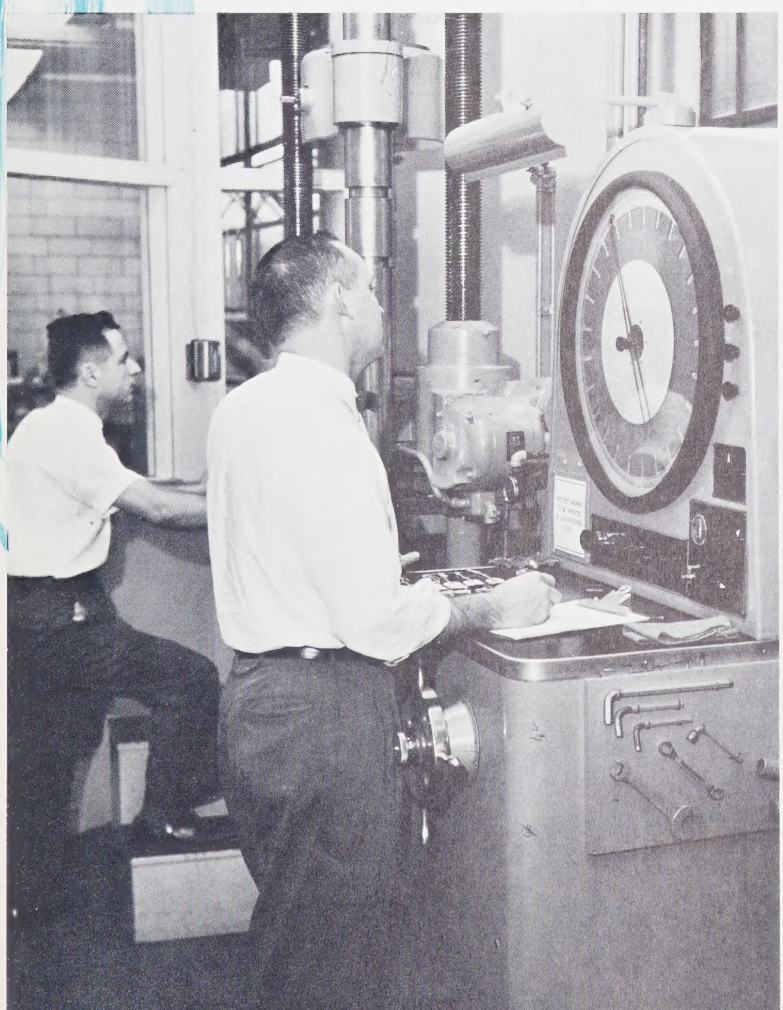


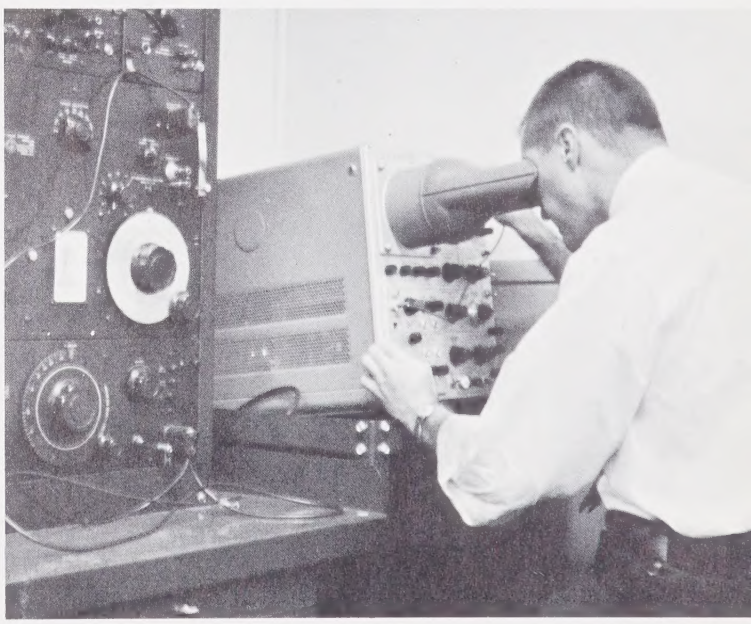
A quality control test of extruded Teflon rod in the Model Shop at U. S. Gasket Co., Camden, N. J.



Some members of the Engineering Dept. at the Plastics Division—discussing the Teflon Window for a missile application.

At Palmyra—the Chemical Laboratory where exhaustive tests are made to insure quality from raw materials to finished product.





Garlock Electronic Products (Camden)—A Test Lab shows an engineer checking results via an oscilloscope.

One of several test laboratories located at the principal manufacturing facility at Palmyra—this particular equipment is a Universal Test Machine used to test tensile strength and compression.

. . . THE MATERIALS TO WORK WITH

Time was when Garlock worked with a comparatively small list of raw and semifinished materials — leather, asbestos, flax and duck.

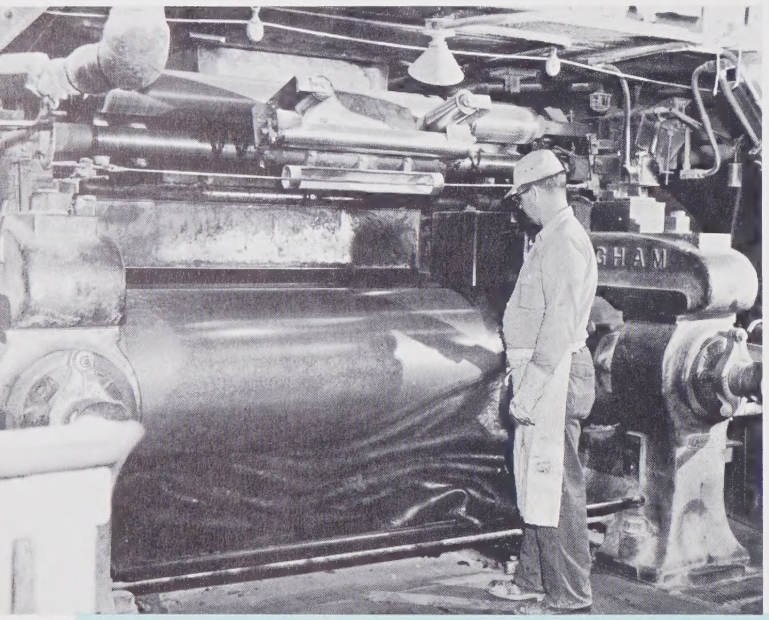
Today that list is infinitely expanded. For from the great chemical and metal companies has come a constant stream of new materials — each with its own specific properties, each with its own definite uses.

To keep abreast of new discoveries, to study, appraise and test these new fluorocarbon resins and thermoplastics — and most of all to determine their proper and particular applications, is no mean task.

It has required a continuous expansion of Garlock Laboratories plus the recruitment and addition of top-flight physicists, chemists, metallurgists and electronic engineers.

Through such expanded facilities and manpower, Garlock has been able to establish positive leadership in the use and application of these new and varied materials. And this experience, in turn, enables Garlock to determine and to guarantee the right properties, the proper performance of every Garlock product from the simplest gasket to the most intricate, close-tolerance piece.

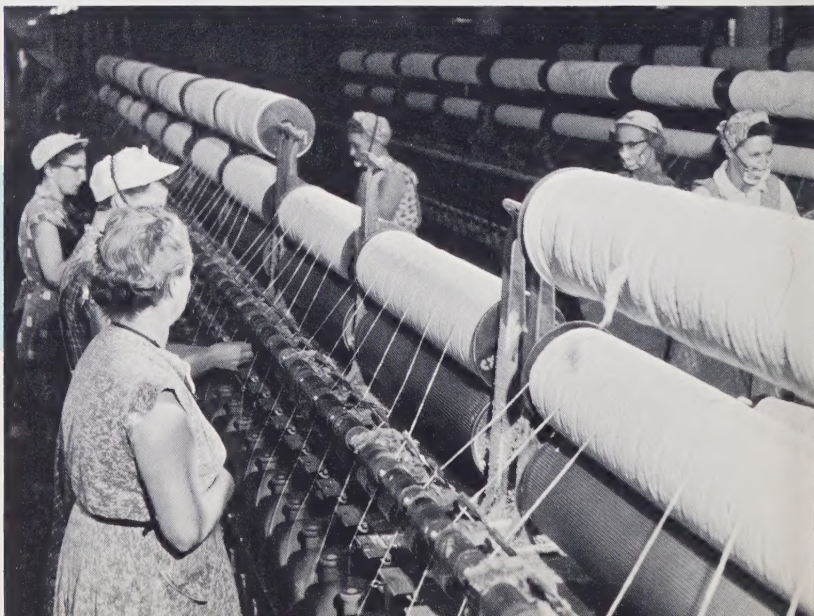
Rubber
Metal
Textiles
Plastic
Leather

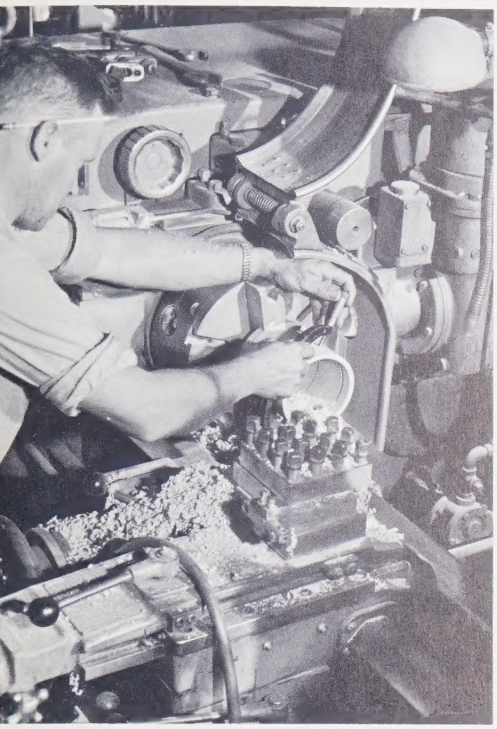


Banbury—this 80 inch mill blends the scores of rubber compounds after they are mixed in the Banbury.

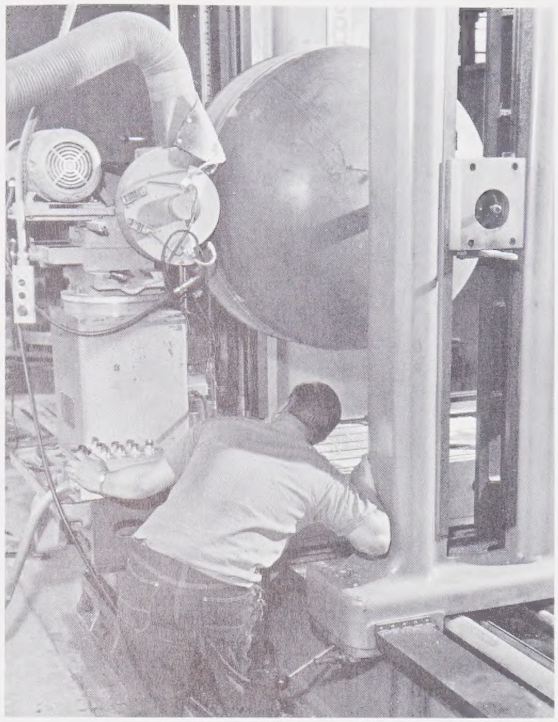
Turret Lathe—The operator combines experience and precision instruments to machine intricate metal parts to the most critical specifications.

One of many Spinning Frames in Garlock's Textile Plant which produces asbestos cloth for a multitude of uses in mechanical packings.

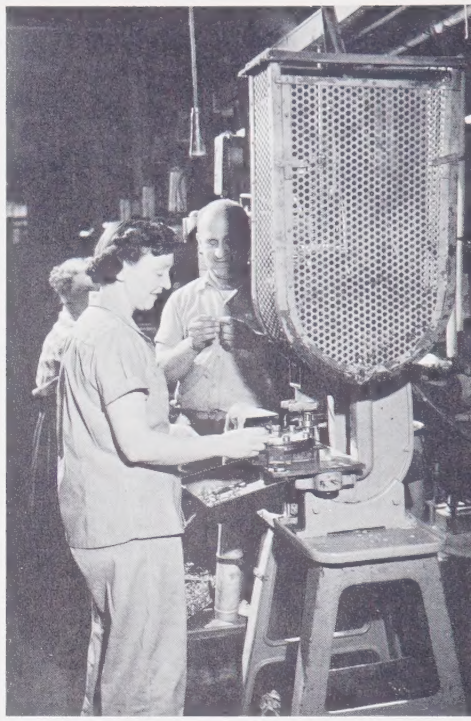




Turning Teflon Piston Rings on a turret lathe (Palmyra).

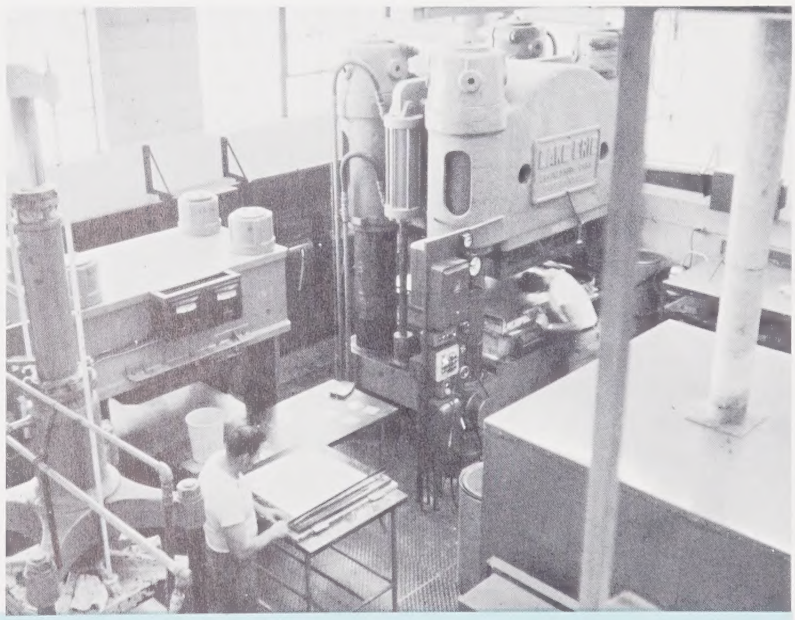


Insulators for use in missile propellants are ground to exact measurements on horizontal boring mills which are electronically controlled.



This scene at Mechanical Leathers Inc. at Philadelphia shows a close-up of one of a battery of presses used to mold leather cup packings.

Extruder Machine—extruding white rubber.



Giant Presses—on the left a 1500 ton press and on the right a 3000 ton press. Both are used to fabricate Teflon sheet.

. . . THE PRODUCTS TO SUPPLY

From that day back in the 1880's when Olin Garlock, our founder, hit on the happy idea of impregnating duck-rubber with oil, to the present, "leak-stopping" has been a major part of Garlock business.

And well it might be. Because despite changing markets and advancing technology with resulting shifts in products, materials and design, effective leak-stopping represents a continuing need. Its growth roughly parallels the general development of Industry in America and the world.

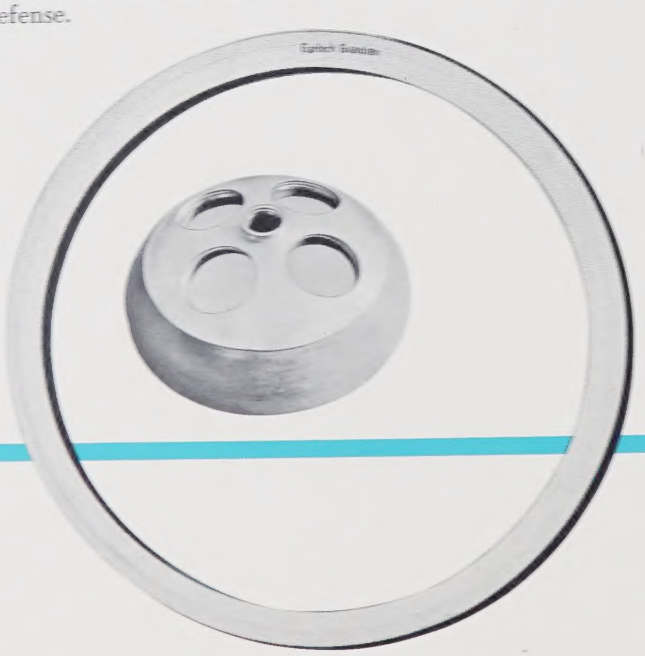
This sustained demand is responsible for the ever-widening scope of Garlock products. It has speeded the diversification of Garlock lines and stimulated the increased use of the newer materials.

Side-by-side with the growth of the so-called packing products is the development, introduction and widespread acceptance of other Garlock products.

These include a wide variety of plastic stock shapes, molded and fabricated parts for the dynamic electronic industry. It includes missile components for military programs as well as missile exit nozzles, aircraft paneling, trim and assemblies, fiberglass ducts and specialized containers for missiles and aircraft.

Garlock sells many of its products under well-known trademarks. Among them are: Chevron, Klozure, Lattice Braid, Chemiseal, Mechanipak, Bitan, Guardian, Gar-Line, Luball, Chemelec, Gar-Seal and Thiotan.

Thus over the years Garlock product lines have grown larger, more complete, more diversified – ready to meet the constantly changing needs of Industry and Defense.



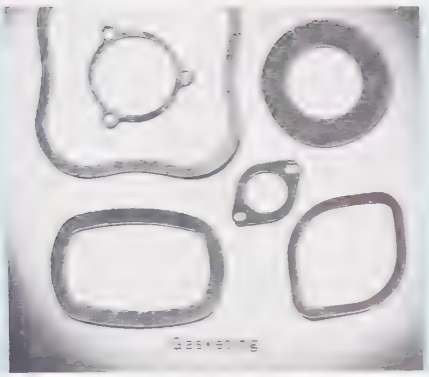
Electronic Components

Dry Bearing Material

Plastic Stock Shapes and Fabricated Pa

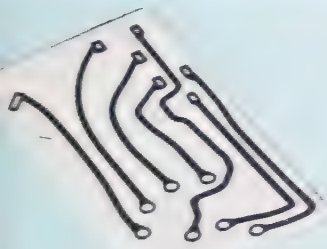
Missile and Rocket Components

Spiral Wound Gaskets



Gasketing

Braided Packings



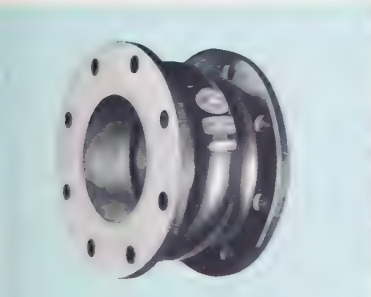
Flexible Printed Circuits

Metal Packings

Fluorocarbon Tank Linings

Hydraulic/Pneumatic Packings

Oil and Grease Seals



Expansion Joints

Diaphragm Packings

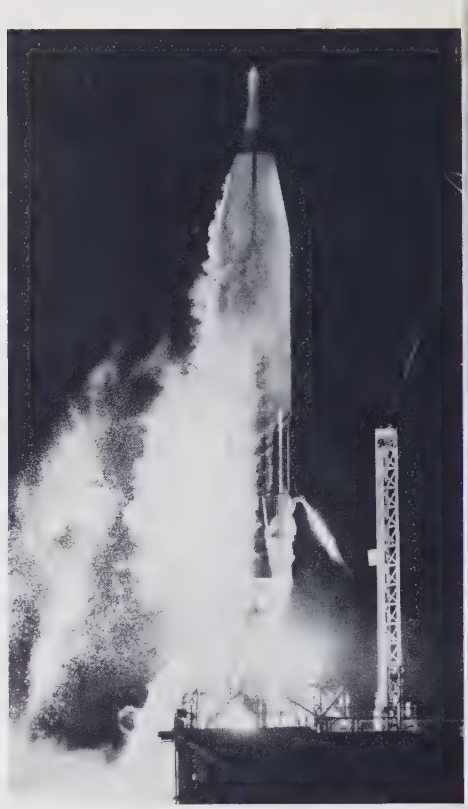
Mechanical Shaft Seals

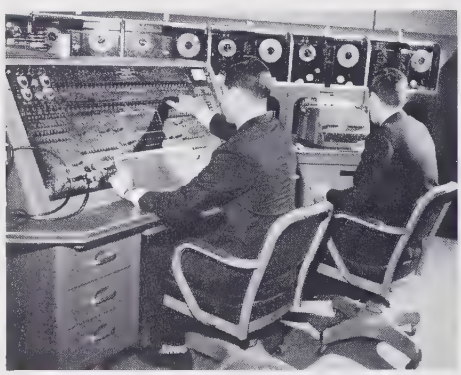
. . . THE INDUSTRIES TO SERVE

The roster of Garlock customers reads like a check-list of all Industry. That is because Garlock products enjoy such universal use, are in such widespread demand. In fact, it is almost literally true that there is a need and a use for a Garlock packing on practically anything that moves from the simplest household appliance to a missile shot into space.

To serve so many different industries with such varying needs is a constant challenge. It is a challenge Garlock meets by offering complete lines, by carrying well-balanced stocks of standard products and by always being prepared, engineering-wise, to cooperate in the design, development and application of special products for specific needs.

It is a challenge that could be met only by a company of Garlock's size and experience, a company with the plants to produce, the materials to work with, the engineers to create and the "know-how" to serve and serve well.





Aircraft

Appliances

Automotive Components

Chemical

Electronics

Farm Equipment

Food Products

Government

Machinery

Missiles

Off Road Equipment

Oil

Paper

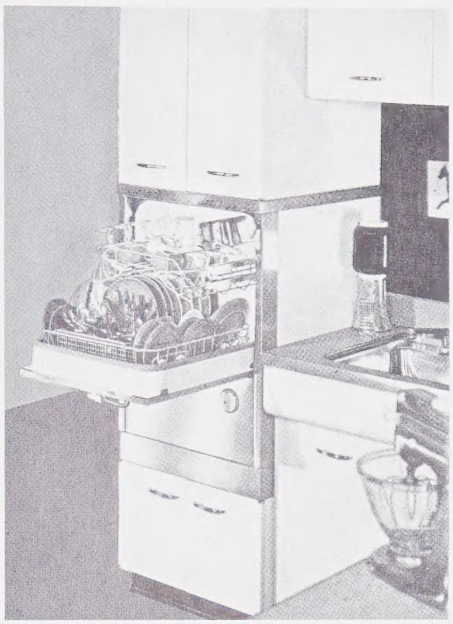
Petrochemicals

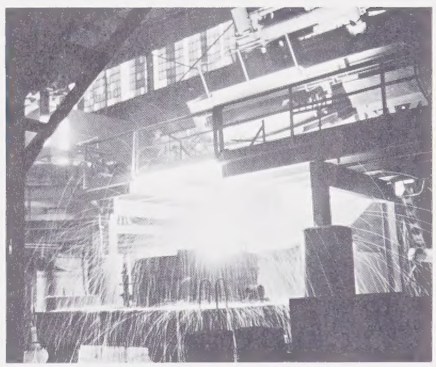
Petroleum

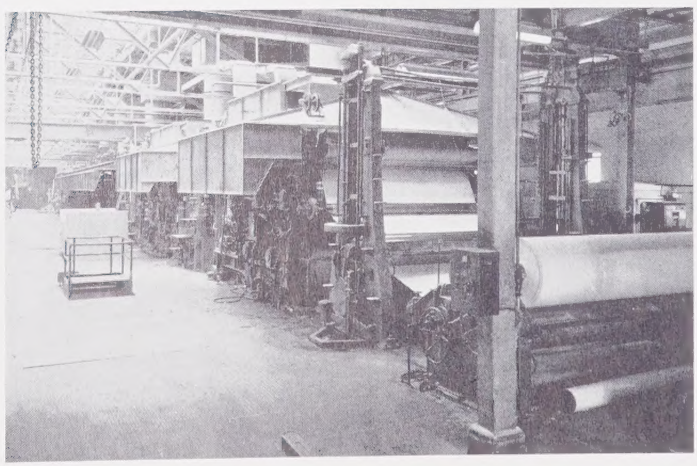
Steel

Transportation

Utilities







. . . THE SERVICE TO SATISFY

The making and marketing of Garlock products used by Industry both in its own plants and as original equipment on its own products requires a highly superior, specialized service. It calls for technical competence and comprehension. It demands men with the ability to grasp a customer's problem quickly and the experience to make the proper recommendations for its complete solution.

All this, too, is Garlock. During its entire history Garlock has maintained its own competent, direct selling force. Over 100 engineers and technicians cooperate closely with customer research, design and application engineers.

Also, a group of over 350 specially-selected electronic distributors, manufacturers' representatives and ship chandlers concentrate on a particular type of Garlock product—such as, electronic, plastic, marine, KLOZURE oil seals, and others.

Distributors of Garlock products are located in Europe, Africa, South America, West Indies, Asia and Australasia.

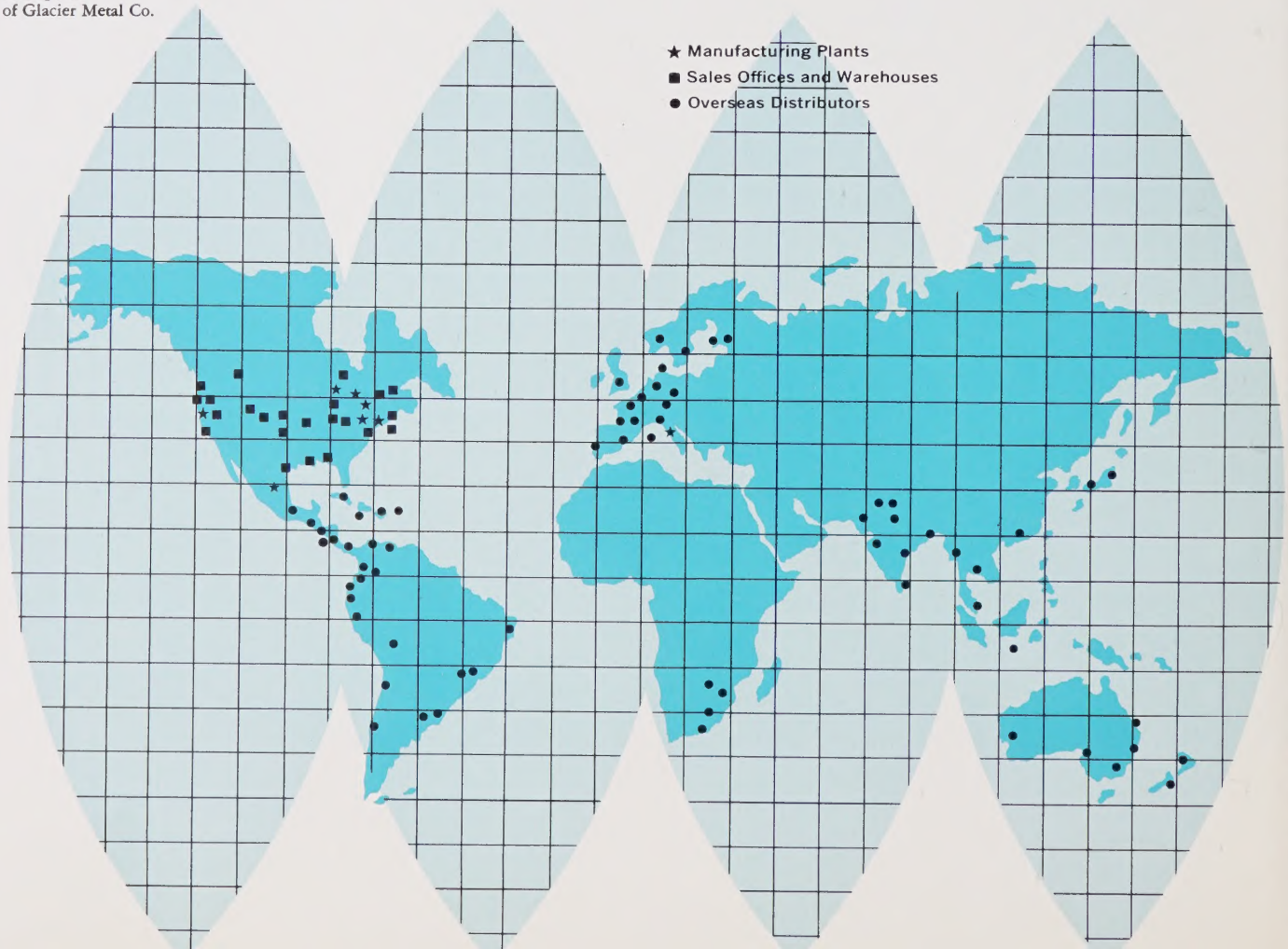
In addition, the Company markets its component parts for missiles and aircraft through a separate sales unit while new products, such as Teflon* – Metal laminate and DU** are developed, made and marketed under the jurisdiction of a Planning Division until such a time as they may be integrated into the Company's regular operations.

Regional Warehousing—This latest warehouse was recently opened at Philadelphia to serve customers in the New York-Philadelphia and Boston area.

Thus each classification of Garlock products has its own highly trained technical sales representatives, fully conversant with the activities of the industries they contact and with a complete knowledge of Garlock products and their specific applications in those industries.

And, backing up these Garlock Field Engineers, Distributors and Manufacturers' Representatives is Garlock's stockpile of standard items, conveniently housed in strategically located warehouses across the country. Through these outlets Garlock is able generally to offer prompt delivery on most standard items—a service which has proved its worth many, many times in emergencies.

*Trademark of Dupont
**Trademark of Glacier Metal Co.



. . . LEADERSHIP TO MAINTAIN

No company can ever afford to become complacent. It is never safe to be satisfied.

For leadership in any field is as easy to lose as it is difficult to acquire. The past can be a monument as well as a milestone.

That is why we of GARLOCK seldom look back. We are not interested in the past except for what the past can teach us. It is the future that concerns us — a future filled with challenge and with opportunity.

The challenge is not merely to keep pace but to keep ahead — not just to match technological advance but to anticipate it, to be ready with the new when the new is needed.

The opportunity is to grow as America is bound to grow, to expand as Industry is sure to expand, and by constantly improving products and service, to earn, to deserve, to maintain leadership in our particular field.

Signed: A. J. McMullen

A. J. McMULLEN,
President

Garlock consolidated invested capital at year end

Garlock's progress over the years indicates the soundness of its management. It has maintained an unbroken dividend record since 1905.